Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Monday 04 Jan 2021 until 23:59 on Tuesday 05 Jan 2021

Forecast Issued on Monday 04 Jan 2021 at 03:17

Confidence: High for the cold conditions with snow at times. Medium for timings of any snow.

Headline for Monday 04 Jan 2021: Bright or clear spells and occasional snow showers.

Mountain weather hazards on Monday 04 Jan 2021

Blizzards No Likelihood	**Heavy Snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** Medium Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Light snow showers	Sunny intervals	Light snow showers	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability					
20%	40%	20%	30%	20%	20%

Forecast for Monday 04 Jan 2021

Weather: Occasional bright or clear spells and snow showers, although sleet at times at lowest levels. The cloud and showers most extensive over the Eastern and Far Eastern Fells with the best of the bright or clear conditions over the Western and South Western Fells.

Chance of cloud free mountain/hill tops above 800m: 60%, occasional or extensive cloud with bases 600 to 900m

Visibility: Very good falling moderate or poor in snow showers, occasionally very poor at height.

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Mountain Weather Forecast

Forecast for Monday 04 Jan 2021

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	34/40 NE	38/44 NE	30/37 NE	33/41 NE	34/41 NE	32/40 NE	28/34 NE
600	23/28 NE	23/30 NE	20/27 NE	22/30 NE	23/32 NE	20/28 NE	17/23 NE
300	7/25 NE	4/21 NE	6/22 NE	8/26 NE	8/26 NE	6/24 NE	5/19 N
Valley	6/23 NE	6/21 NE	8/22 NE	9/25 NE	8/23 NE	8/24 NE	7/21 NE

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-12	-3/-13	-3/-12	-3/-13	-4/-13	-4/-13	-4/-13
600	-1/-9	-2/-9	-1/-8	-1/-8	-2/-10	-2/-10	-3/-10
300	1/-3	0/-2	2/-1	2/-2	0/-4	-1/-4	-1/-4
Valley	3/-0	3/-0	4/1	4/1	2/-1	2/-2	2/-2
Freezing Level*	400m	300m	400m	400m	300m	200m	200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A severe wind chill expected at height.

Forecast for Tuesday 05 Jan 2021

Weather: The snow showers more scattered with more in the way of bright or clears spells. Again the showers most likely over the Eastern and Far Eastern Fells with the best of the bright or clear conditions over the Western and South Western Fells.

Maximum wind: Northeast 20 to 25mph gusting 40mph with a severe wind chill over the tops.

Chance of cloud free mountain/hill tops above 800m: 70%, occasional or extensive cloud with bases 600 to 900m

Visibility: Very good falling moderate or poor in snow showers, occasionally very poor at height.

Temperature: **Valleys:** Minus 4 rising to Plus 2 Celsius around the middle of the day.
At 800m: Minus 3 Celsius
Freezing level: Most levels, rising to around 300m on sunny slopes around the middle of the day.

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Mountain Weather Forecast

Ground Conditions Supplement
Date Sunday 3 January. Location: Grasmoor summit at 12.34. Temperature minus 2.4degC. Maximum wind speed 14.6mph. Wind chill minus 9.6degC. Average wind speed 10.4mph

Full report
Today's recordings are from the summit of Grasmoor (852m) in the northwestern fells. A small dusting of new snow overnight led to a cloudy morning, eventually giving way to clearer conditions in the early afternoon.Despite the relatively low wind speeds recorded today, it should be noted that much stronger winds were experienced during the day and estimated to be in the region of 30-35mph at times. This would also have affected the windchill temperature, which would have been a few degrees cooler than the figure recorded. Snow cover in this area of the national park is generally thinner than in more eastern fells, however, conditions remain wintery with terrain widely frozen at all levels. Compacted snow on the paths and ice present real hazards, especially around drainage lines and stream crossings. As such, microspikes and/or walking poles are a real asset. The snow level has lifted slightly to roughly 500m in the NW fells and increases a little with height to around boot-deep where it hasn't been disturbed by the wind. Knee-deep drifts are present in many sheltered dips and hollows. High ground exposed to the wind tends to be relatively well scoured, and exposed rock across the tops is well covered in rime ice. As such, many of the paths are very difficult to see when the cloud comes in calling for good navigation skills. Small cornices have formed on many different aspects, typically around corrie and gully rims and along ridge flanks. These are comprised of soft unstable snow and should be given a wide berth. Some small upland tarns have frozen over and with snow on the top of the ice, they can be quite difficult to see and present an additional hazard. Wintery conditions look set to continue for the time being. As such, full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots, and equipment including a headtorch are all essential for anyone going out onto the fells. For those venturing into the higher fells and considering routes on steep or exposed ground, an ice axe and crampons are essential.
This is an automated email. If you need a response please email felltop.assessors@lakedistrict.gov.uk

Issued at: 03:17 on Mon 04 Jan 2021

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